

De Anza College Math 12.03 Winter '20

Instructor Information

Name: Salvador Guerrero

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Office Hours: Monday – Friday 9:30 – 10:15am in E37

Course Information

Title: Introductory Calculus for Business and Social Sciences

Location and Time: E31, Monday – Friday 10:30 – 11:20am

Website: we will be using Canvas (deanza.instructure.com)

Materials:

Text: Business Calculus, by S. Calaway, D. Hoffman, D. Lippman

Technology: Graphing calculator (optional, TI-84 recommended) and computer with which to access Canvas.

Other: Pencil, eraser, and spiral notebook or composition book.

Note: Exams and quizzes must be completed using pencil.

Requisites:

Prerequisite: MATH 11, 41 or 41H.

Hours: Lec Hrs: 60.00

Out of Class Hrs: 120.00

Total Student Learning Hrs: 180.00

Description: Introduction to limits, differentiation, and integration of single variable functions. Differentiation of multivariate functions. Applications in business, economics, and social science.

Assignments:

- There are a number of benefits to reading the text before class – classroom discussion becomes more conversational, you see the material multiple times, and you have time to formulate questions. You are expected to read each section of the textbook before it is covered in class.
- Another important part of learning mathematics is to work through some exercises. **Homework** will be assigned each week.
- There will be three midterm **exams**.
- There will be a number of **quizzes** and **in class activities** to further develop your understanding of the course material.
- A two hour comprehensive **final exam** will be administered on Thursday March 26, 2020 from 9:15 – 11:15 am. The final is mandatory and must be taken at the scheduled time. Any student not taking the final will receive a grade of F.

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Grading:

- **Homework** will be graded for completion, and some problems for correctness.
- **Quizzes** and **Exams** will be graded mostly as correct or incorrect and feedback provided. Exams and quizzes may be revised and resubmitted for additional credit. Details in Canvas.
- **Final Exam** will be graded with much consideration to partial credit since there is no possibility to re-work any mistakes.
- **Course Grades** will be determined as follows:

| Assignment weight: | | Grading Scale: | | |
|---------------------------|-----|--|--------|---------|
| | | If your overall grade is at least ____, then your letter grade is at least ____. | | |
| In-class activities | 10% | 98%: A+ | 92%: A | 90%: A- |
| Homework | 10% | 88%: B+ | 82%: B | 80%: B- |
| Quizzes | 15% | 78%: C+ | 70%: C | 60%: D |
| Midterm exams | 40% | A student earning less than 60% will receive a grade of F. | | |
| Final Exam | 25% | Note: there is typically a curve applied before computing final grades. | | |

(Tentative) Schedule:

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------|---|---|---|------|---|---|------|---|---|------|----|----|
| | | | | Exam | | | Exam | | | Exam | | |
| | | | | | | | | | | | | |

Note: the schedule is subject to change – any changes will be announced in class and noted in the course calendar.

Policies and Resources

Academic Integrity: Cheating, plagiarism and other forms of academic dishonesty will not be tolerated. Students are expected to be honest and ethical at all times in their pursuit of academic goals. A Student caught cheating, plagiarizing, or otherwise violating the rules for an assignment will receive a grade of 0 on the assignment in question; repeat offenders will receive a grade of F in the course. In either case, a student may be referred to the Dean for academic discipline. No grade of 0 due to academic dishonesty will be dropped or replaced.

Classroom Courtesy: Your interactions with the instructor as well as your fellow classmates should be courteous and respectful at all times. Every student is entitled to learn in an environment free of distractions or disruptions (including phones, headphones, etc.). Students who are disrespectful or disruptive can, and will, be asked to leave. If a student does not leave after being asked, they will be dropped from the course and referred to the Dean. **Audio/Video recordings of lecture are prohibited.**

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Attendance: Attendance is required and you are responsible for all material covered in class. I expect you to arrive to class on time and stay until class is dismissed. If you miss a class, contact a fellow student to find out what was covered. Also:

- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this course.
- It is the student's responsibility to add, drop, or withdraw from classes before the deadlines stated in the college catalog. You should talk to me before withdrawing.
- Excessive absences may result in being dropped, at the discretion of the instructor.

Tutoring/Additional Help: Please consider the following (free) resources for additional help:

- In Person Tutoring: <https://www.deanza.edu/studentssuccess/mstrc>
- On-line Tutoring: <http://deanza.edu/studentssuccess/onlinetutoring>
- The internet: it is the future (2020), a time when information is literally at our fingertips.

Accommodation of Disability: Students that have any disability, either permanent or temporary, which might affect their ability to perform in this class should contact me immediately. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see the contacts below:

- Disability Support Services (DSS): <http://www.deanza.edu/dss>
- Educational Diagnostic Center (EDC): <http://www.deanza.edu/edc>
- HOPE De Anza: <http://www.deanza.edu/hope>

English as a Second Language: ESL students may use a translator and/or dictionary (print only, to be approved by instructor) during exams and quizzes. Please visit the college's Listening and Speaking Center (LSC) for additional resources <http://www.deanza.edu/studentssuccess/lsc/>

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Student Learning Outcome(s):

*Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.

*Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.